



# Ronacrete

## SAFETY DATA SHEET

### RonaDeck Resin Bonded Seal Coat UV

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** RonaDeck Resin Bonded Seal Coat UV

**Product number** PC191

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen) [PROC5] Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) [ERC5] Industrial use resulting in inclusion into or onto a matrix [AC4] Stone, plaster, cement, glass and ceramic articles

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Ronacrete Limited  
 Ronac House  
 Flex Meadow  
 Harlow  
 Essex  
 CM19 5TD  
[www.ronacrete.co.uk](http://www.ronacrete.co.uk)  
 Tel: 01279 638 700  
 Fax: 01279 638 701  
 email: [sds@ronacrete.co.uk](mailto:sds@ronacrete.co.uk)

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1279 638700

**National emergency telephone number** UK Consumers NHS 111. Medical professionals - [www.toxbase.org](http://www.toxbase.org)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Resp. Sens. 1 - H334 Skin Sens. 1 - H317

**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Pictogram



**Signal word**

Danger

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|                                 |   |
|---------------------------------|---|
| <b>Hazard statements</b>        | <p>H226 Flammable liquid and vapour.<br/> H315 Causes skin irritation.<br/> H317 May cause an allergic skin reaction.<br/> H332 Harmful if inhaled.<br/> H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p>  |
| <b>Precautionary statements</b> | <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br/> P233 Keep container tightly closed.<br/> P240 Ground/bond container and receiving equipment.<br/> P241 Use explosion-proof electrical equipment.<br/> P242 Use only non-sparking tools.<br/> P243 Take precautionary measures against static discharge.<br/> P261 Avoid breathing vapour/spray.<br/> P264 Wash contaminated skin thoroughly after handling.<br/> P271 Use only outdoors or in a well-ventilated area.<br/> P272 Contaminated work clothing should not be allowed out of the workplace.<br/> P280 Wear protective gloves/protective clothing/eye protection/face protection.<br/> P284 [In case of inadequate ventilation] wear respiratory protection.<br/> P302+P352 IF ON SKIN: Wash with plenty of water.<br/> P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.<br/> P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br/> P312 Call a POISON CENTER/doctor if you feel unwell.<br/> P321 Specific treatment (see medical advice on this label).<br/> P332+P313 If skin irritation occurs: Get medical advice/attention.<br/> P333+P313 If skin irritation or rash occurs: Get medical advice/attention.<br/> P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.<br/> P362+P364 Take off contaminated clothing and wash it before reuse.<br/> P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.<br/> P403+P235 Store in a well-ventilated place. Keep cool.<br/> P501 Dispose of contents/container in accordance with national regulations.</p> |
| <b>Contains</b>                 | xylene, ethylbenzene, 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate   |

### 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|                       |                      |
|-----------------------|----------------------|
| <b>xylene</b>         | <b>30-60%</b>        |
| CAS number: 1330-20-7 | EC number: 215-535-7 |
| <b>Classification</b> |                      |
| Flam. Liq. 3 - H226   |                      |
| Acute Tox. 4 - H312   |                      |
| Acute Tox. 4 - H332   |                      |
| Skin Irrit. 2 - H315  |                      |

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|  |                      |
|--|----------------------|
| <b>ethylbenzene</b>  | <b>30-60%</b>        |
| CAS number: 100-41-4   | EC number: 202-849-4 |
| <b>Classification</b>  |                      |
| Flam. Liq. 2 - H225  |                      |
| Acute Tox. 4 - H332  |                      |
|  |                      |
| <b>2-methoxy-1-methylethyl acetate</b>                         | <b>10-30%</b>        |
| CAS number: 108-65-6   | EC number: 203-603-9 |
| <b>Classification</b>  |                      |
| Flam. Liq. 3 - H226  |                      |
|  |                      |
| <b>3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate</b> | <b>1-5%</b>          |
| CAS number: 4098-71-9  | EC number: 223-861-6 |
| <b>Classification</b>  |                      |
| Acute Tox. 3 - H331  |                      |
| Skin Irrit. 2 - H315   |                      |
| Eye Irrit. 2 - H319  |                      |
| Resp. Sens. 1 - H334   |                      |
| Skin Sens. 1 - H317  |                      |
| STOT SE 3 - H335   |                      |
| STOT SE 3 - H335   |                      |
| Aquatic Chronic 2 - H411                                       |                      |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                   |  |
|-----------------------------------|--|
| <b>Inhalation</b>                 | Remove person to fresh air and keep comfortable for breathing. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.  |
| <b>Ingestion</b>                  | Do not induce vomiting. Get medical attention immediately.   |
| <b>Skin contact</b>               | Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.  |
| <b>Eye contact</b>                | Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing. |
| <b>Protection of first aiders</b> | First aid personnel should wear appropriate protective equipment during any rescue.  |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Harmful by inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Vapour may irritate respiratory system/lungs. Vapours may cause headache, fatigue, dizziness and nausea. |
| <b>Ingestion</b>    | Gastrointestinal symptoms, including upset stomach. Nausea, vomiting.  |
| <b>Skin contact</b> | Prolonged contact may cause redness, irritation and dry skin. The product contains a sensitising substance. May cause skin sensitisation or allergic reactions in sensitive individuals.                   |

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**Eye contact** Prolonged contact may cause redness and/or tearing.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** The product is flammable.

**Hazardous combustion products** Toxic gases or vapours.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours.

### 6.2. Environmental precautions

**Environmental precautions** Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

### 6.4. Reference to other sections

**Reference to other sections** For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Eliminate all sources of ignition.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

## RonaDeck Resin Bonded Seal Coat UV

### 8.1. Control parameters

#### Occupational exposure limits

##### **xylene**

Long-term exposure limit (8-hour TWA): WEL 50 ppm

Short-term exposure limit (15-minute): WEL 100 ppm

##### **2-methoxy-1-methylethyl acetate**

Long-term exposure limit (8-hour TWA): WEL 274 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 548 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### 8.2. Exposure controls

#### **Protective equipment**



#### **Appropriate engineering controls**

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

#### **Eye/face protection**

Wear tight-fitting, chemical splash goggles or face shield.

#### **Hand protection**

It is recommended that chemical-resistant, impervious gloves are worn.

#### **Other skin and body protection**

Wear appropriate clothing to prevent any possibility of skin contact.

#### **Hygiene measures**

Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Wash promptly with soap and water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

#### **Respiratory protection**

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### **Environmental exposure controls**

Keep container tightly sealed when not in use.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

|                    |                 |
|--------------------|-----------------|
| <b>Appearance</b>  | Liquid.         |
| <b>Colour</b>      | Colourless.     |
| <b>Odour</b>       | Characteristic. |
| <b>Flash point</b> | 24°C            |

### 9.2. Other information

|                          |       |
|--------------------------|-------|
| <b>Other information</b> | None. |
|--------------------------|-------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The following materials may react with the product: Oxidising agents. Strong acids.

### 10.4. Conditions to avoid

**Conditions to avoid** Keep away from heat, sparks and open flame.

### 10.5. Incompatible materials

**Materials to avoid** Oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 2,200.0

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 12.39

**Inhalation** Harmful by inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin contact** Irritating to skin. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause sensitisation by skin contact. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.

## SECTION 12: Ecological Information

### 12.1. Toxicity

**Toxicity** Not regarded as dangerous for the environment.

### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is unlikely.

### 12.4. Mobility in soil

**Mobility** The product has poor water-solubility.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

### SECTION 14: Transport information

#### 14.1. UN number

|                  |      |
|------------------|------|
| UN No. (ADR/RID) | 1866 |
| UN No. (IMDG)    | 1866 |
| UN No. (ICAO)    | 1866 |
| UN No. (ADN)     | 1866 |

#### 14.2. UN proper shipping name

|                                |                |
|--------------------------------|----------------|
| Proper shipping name (ADR/RID) | RESIN SOLUTION |
| Proper shipping name (IMDG)    | RESIN SOLUTION |
| Proper shipping name (ICAO)    | RESIN SOLUTION |
| Proper shipping name (ADN)     | RESIN SOLUTION |

#### 14.3. Transport hazard class(es)

|                             |    |
|-----------------------------|----|
| ADR/RID class               | 3  |
| ADR/RID classification code | F1 |
| ADR/RID label               | 3  |
| IMDG class                  | 3  |
| ICAO class/division         | 3  |
| ADN class                   | 3  |

#### Transport labels



#### 14.4. Packing group

|                       |     |
|-----------------------|-----|
| ADR/RID packing group | III |
| IMDG packing group    | III |
| ADN packing group     | III |
| ICAO packing group    | III |

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

|     |          |
|-----|----------|
| EmS | F-E, S-E |
|-----|----------|

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|   |       |
|---|-------|
| <b>ADR transport category</b>                 | 3     |
| <b>Emergency Action Code</b>                  | •3Y   |
| <b>Hazard Identification Number (ADR/RID)</b> | 30    |
| <b>Tunnel restriction code</b>                | (D/E) |

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### **SECTION 15: Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

|                       |  |
|-----------------------|--|
| <b>EU legislation</b> | Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).<br>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).<br>Dangerous Preparations Directive 1999/45/EC.<br>Dangerous Substances Directive 67/548/EEC. |
| <b>Guidance</b>       | <a href="http://www.echa.europa.eu">www.echa.europa.eu</a><br><a href="http://www.hse.gov.uk">www.hse.gov.uk</a><br>Supplier product information and safety data sheets.<br>Workplace Exposure Limits EH40.  |

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### **SECTION 16: Other information**

|                                  |   |
|----------------------------------|---|
| <b>Issued by</b>                 | sds@ronacrete.co.uk   |
| <b>Revision date</b>             | 03/06/2015  |
| <b>Revision</b>                  | 1   |
| <b>SDS number</b>                | 4712  |
| <b>Hazard statements in full</b> | H225 Highly flammable liquid and vapour.<br>H226 Flammable liquid and vapour.<br>H312 Harmful in contact with skin.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H319 Causes serious eye irritation.<br>H331 Toxic if inhaled.<br>H332 Harmful if inhaled.<br>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.<br>H335 May cause respiratory irritation.<br>H411 Toxic to aquatic life with long lasting effects. |